



Classification: Energy Commission Specialist I (TED)	Position No. 3100-4184-003
CBID: R10	Office: Energy Efficiency Research Office
Date Prepared: October, 2014	Division: Energy Research and Development
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

Under the general supervision of the Energy Commission Supervisor II in the Energy Efficiency Office, Industrial, Agriculture & Water (IAW) Efficiency Unit and the programmatic lead of the Energy Commission Specialist III for the IAW Efficiency subject area, the incumbent serves as a member of the IAW Efficiency team to develop, implement and administer electricity and/or natural gas-based public interest energy research, development and demonstration (RD&D) efforts related to the efficient use of energy in IAW technologies. The incumbent performs the more complex and difficult analyses, develops and manages the more complex research projects and assists in the development of public interest energy research program policy. The incumbent provides technical leadership, direction, and coordination efforts for the IAW unit's research and development needs associated with agricultural and food processing, with emphasis on achieving state energy efficiency goals. The incumbent will work within an interdisciplinary team or teams and assists the IAW Efficiency Team Lead with program planning in the IAW Efficiency subject area.

The goal of the Electric Program Investment Charge (EPIC) research program is to conduct research, development and demonstration to advance science and technologies not adequately provided by the regulated and competitive markets. The incumbent is knowledgeable of advanced energy efficiency concepts, technologies, and practices; performs time-critical and subject matter-critical technical or market analyses to support public interest energy RD&D funding; manages highly complex RD&D projects; and consults with experts in the field.

WORKING CONDITIONS. The work is performed in an indoor office or meeting room setting and involves sitting, standing, and/or walking. Occasional travel may occur outside Sacramento. Additional hours beyond an eight-hour workday or forty-hour workweek may be required.

DUTIES AND RESPONSIBILITIES:

While performing the duties described below, the incumbent will be required to work alone, work within a team, or lead an interdisciplinary team, utilizing a personal computer and appropriate Commission software such as word processing and analytical software, electronic mail and the Internet. The incumbent will also be required to organize, lead and/or participate in meetings with other Commission staff, staff from other federal and state agencies, consultants, contractors, and other parties active in energy-related research and development. The incumbent will perform the more difficult, highly complex tasks as follows:

- 50% Serve as a lead technical specialist for identifying, analyzing and evaluating research and development issues related to agricultural and food processing energy efficiency. The incumbent will implement energy related projects associated with improving the energy efficiency of the agricultural and food processing industry in such areas as process heating or cooling, refrigeration, advanced burners and control systems, energy and water use optimization, agricultural or landscape irrigation system, food preservation (blanching, drying, frying, pasteurization and sterilization), energy storage and demand response systems. The incumbent will be responsible for planning the research strategy for maximizing energy efficiency in the agricultural and food processing sector, including meeting with key stakeholders and trade associations to understand research needs, identifying target technologies, development and



demonstrations of technologies, tools and strategies, determining rate payer benefits and identifying needed market support and technical assistance. The incumbent will provide expert guidance, consultation and direction to program management on more complex technical energy issues within the EPIC IAW Energy Efficiency area. Assist the EPIC IAW Efficiency team lead in the formulation and refinement of guidelines, standards, policy options and core area program initiatives for development and demonstration of emerging agricultural and food processing technologies, for consideration by the Deputy Director for Energy Research and Development, the Executive Office, Commissioners, and the Legislature, and other stakeholder agencies. (E)

- 20% Identify, implement, organize, and manage sensitive and more complex energy efficiency related technical and scientific projects and contracts, especially research associated with the agricultural and food processing sector. Develop work statements, budgets and measureable technical and economic objectives which will be used to determine project success, and other materials necessary to finalize the contract agreements. Synthesize information from multiple sources and serve as a project leader for energy efficiency research in agricultural and food processing facilities. Identify energy efficiency related R&D needs and their potential to help achieve California's energy policies and objectives. Coordinate with local, regional, state, and federal government entities, utilities, industry and other stakeholders to facilitate the coordination of public interest energy policies and objectives, and other research programs and studies. (E)
- 15% Proposal Evaluation. Manage and conduct solicitation planning and development activities. The incumbent will review proposals to determine how well the project addresses the scope of the solicitation criteria including, but not limited to the extent the project will advance science or technology, address market and industry issues and needs, meet specified target goals and objectives, and evaluate the skill, experience and ability of the project team to complete the technical tasks within the budget and schedule, move the results into the marketplace, and the adequacy of project funding. The incumbent will prepare written findings of such evaluations for use by a technical scoring committee. (E)
- 5% Develop programmatic reports. Serve as a resource in preparing and presenting conclusions and recommendations and provide subject-matter expert consultation to the Commission, local, regional, state, and federal governmental agencies, legislature, media and private entities regarding studies and topics within the incumbent's assigned areas of expertise. Performing this duty may require travel. (E)
- 5% Organize, prepare and make presentations at workshops, seminars and conferences; write technical papers and case studies for professional journals and industry publications; provide expert testimony and comments within the incumbent's area of expertise on more complex technical problems at hearings and proceedings sponsored by the Legislature, the Energy Commission, other local and regional governments, state and federal agencies, utilities, and other entities related to energy efficiency RD&D. (M)
- 5% Perform other duties as required consistent with the specifications of this classification. (M)

SIGNATURES	
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position	
<div style="border-bottom: 1px solid black; height: 40px; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> Incumbent Date </div> <div style="display: flex; justify-content: space-between;"> Energy Commission Specialist I (TED) </div>	<div style="border-bottom: 1px solid black; height: 40px; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> Colin Corby Date </div> <div style="display: flex; justify-content: space-between;"> Energy Commission Supervisor II (TED) </div>